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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Hannu Mahonen

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EXAMINER

DEAN, RAYMOND S

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/661,779	<b>Applicant(s)</b> MAHONEN ET AL.	
	<b>Examiner</b> Raymond S. Dean	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1 - 27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 - 27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                                                           |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                                               | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                                      | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>0903</u> . | 6) <input type="checkbox"/> Other: _____                                                |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 – 11 and 14 – 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Lunsford et al. (US 6,901,434).

Regarding Claim 1, Lunsford teaches a method for automated synchronization between a first mobile terminal device and a second mobile terminal device (Figure 1, Columns: 2 lines 11 – 14, lines 66 – 67, 3 lines 1 – 4), comprising: receiving at least one user input (Column 3 lines 17 – 27); selecting one individual mode in accordance with said at least one received user input (Column 3 lines 17 – 27, synchronization mode); wherein said one selected individual mode contains a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and performing a synchronizing operation between said first mobile terminal device and said second mobile terminal device in accordance with pre-defined synchronization settings (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38).

Regarding Claim 17, Lunsford teaches a mobile terminal device for automated synchronization with another mobile terminal device (Figure 1, Columns: 2 lines 11 – 14, lines 66 – 67, 3 lines 1 – 4), comprising: a plurality of individual modes, each of said plurality of individual modes being operable as an operation mode with said mobile terminal device, said operation mode controlling an operation of said mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, lines 17 – 27, standard mode for a typical PDA comprises an organization mode in which a user can conduct calendar functions, appointment functions and other organizing functions, there is also a synchronization mode); at least one actuator for selecting one individual mode out of said plurality of individual modes (Column 3 lines 17 – 27); a synchronization component for synchronizing of information stored in a data storage (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and a communication interface for exchanging synchronization related information (Figure 1, Column 2 lines 45 – 51); wherein the one selected individual mode comprises a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); wherein said synchronization component is activated to perform a synchronizing operation with said other mobile terminal device via said communication interface, said synchronizing operation is performed in accordance with pre-defined synchronization settings (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38).

Regarding Claim 22, Lunsford teaches a system for automated synchronization, comprising a first mobile terminal device including: a plurality of individual modes, each of said plurality of individual modes being operable as an operation mode with said first

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mobile terminal device, said operation mode controlling an operation of said first mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, lines 17 – 27, standard mode for a typical PDA comprises an organization mode in which a user can conduct calendar functions, appointment functions and other organizing functions, there is also a synchronization mode); at least one actuator for selecting one individual mode out of said plurality of individual modes (Column 3 lines 17 – 27); a synchronization component of said first mobile terminal for synchronizing of information stored in a data storage (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and a communication interface of said first mobile terminal device for exchanging synchronization related information (Figure 1, Column 2 lines 45 – 51); a second mobile terminal including: a synchronization component of the second mobile terminal for synchronizing of information stored in a data storage (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and a communication interface of said second mobile terminal device for exchanging synchronization related information (Figure 1, Column 2 lines 45 – 51); wherein the one selected individual mode comprises a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); wherein said one selected individual mode contains a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); wherein said synchronization component of said first terminal device is activated to perform a synchronizing operation with said synchronization component of the second mobile terminal device via said communication interface of said first mobile terminal device and said communication interface of said second mobile terminal device, said

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synchronizing operation is performed in accordance with pre-defined synchronization settings (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38).

Regarding Claims 2, 18, 23, Lunsford teaches all of the claimed limitations recited in Claims 1, 17, 22. Lunsford further teaches wherein said one selected individual mode contains a further command to switch off said first mobile terminal device; and switching off said first mobile terminal device after completion of said synchronizing operation (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise buttons to switch said PDAs on and off, a user can switch the PDA off after synchronizing with another PDA).

Regarding Claim 3, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches checking availability of said second mobile terminal device for performing said synchronizing operation (Column 3 lines 17 – 49, the request to synchronize with another mobile terminal comprises checking the availability of said mobile terminal).

Regarding Claim 4, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said one selected individual mode once activated triggers an immediate synchronizing operation (Column 3 lines 17 – 27, synchronization mode).

Regarding Claim 5, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said one selected individual mode once deactivated triggers an immediate synchronizing operation (Column 2 lines 66 – 67, Column 3 lines 1 – 4, lines 17 – 27, PDAs have a standard mode, which is the mode for

standard operations such calendar, appointment, and other organizing functions, when a user desires synchronization there will be a deactivation of the standard mode thus allowing synchronization to take place via the synchronization mode).

Regarding Claim 6, Lunsford teaches all of the claimed limitations recited in Claim 4. Lunsford further teaches wherein said activation comprises switching on said first terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise buttons to switch said PDAs on and off).

Regarding Claim 7, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said at least one user input triggers a switching on of said first mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise buttons to switch said PDAs on and off).

Regarding Claim 8, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said at least one user input triggers a switching off of said first mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise buttons to switch said PDAs on and off).

Regarding Claim 9, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said pre-defined synchronization settings comprise information relating to properties including at least one of a group comprising: information relating to specific data to be synchronized; information relating to specific applications of which data is to be synchronized; information about a type of synchronization; information relating to said second mobile terminal device; authentication information; information relating to a communication connection to be

used for synchronization; and information about an environment in which said synchronization is to be carried out (Column 3 lines 28 – 40).

Regarding Claim 10, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches wherein said automated synchronization is performed via a local communication connection. (Column 2 lines 45 – 51).

Regarding Claims 11, 20, 25, Lunsford teaches all of the claimed limitations recited in Claims 1, 17, 22. Lunsford further teaches wherein said automated synchronization information is performed in a device-to-device manner (Figure 1).

Regarding Claim 14, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches a software tool for automated synchronization between a first mobile terminal device and a second mobile terminal device, comprising program portions for carrying out the operations of claim 1, when said program is implemented in a computer program for being executed on a processing device, a terminal device, a communication terminal device or a network device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise processors that run program instructions or code thus enabling said PDAs to conduct various functions such as the synchronization function).

Regarding Claim 15, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches a computer program product for automated synchronization between a first terminal mobile device and a second mobile terminal device, comprising loadable program code sections for carrying out the operations of claim 1, when said computer program is executed on a processing device, a terminal



device, a communication terminal device or a network device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise processors that run program instructions or code thus enabling said PDAs to conduct various functions such as the synchronization function).

Regarding Claim 16, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford further teaches a computer program product for automated synchronization between a first terminal mobile device and a second mobile terminal device, wherein said computer program product is comprising program code sections stored on a computer readable medium for carrying out the method of claim 1, when said computer program product is executed on a processing device, a terminal device, a communication terminal device or a network device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise processors that run program instructions or code thus enabling said PDAs to conduct various functions such as the synchronization function, said program instructions are stored in memory which is a computer readable medium).

Regarding Claims 19, 24, Lunsford teaches all of the claimed limitations recited in Claims 17, 22. Lunsford further teaches an actuator comprising a power on/off actuator for triggering a switching on and a switching off of said mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, typical PDAs comprise buttons to switch said PDAs on and off).

Regarding Claims 21, 27, Lunsford teaches all of the claimed limitations recited in Claims 17, 22. Lunsford further teaches receiving at least one user input (Column 3

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lines 17 – 27); selecting one individual mode in accordance with said at least one received user input (Column 3 lines 17 – 27, synchronization mode); wherein said one selected individual mode contains a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and performing a synchronizing operation between said first mobile terminal device and said second mobile terminal device in accordance with pre-defined synchronization settings (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38).

Regarding Claim 26, Lunsford teaches all of the claimed limitations recited in Claim 22. Lunsford further teaches a mobile terminal device comprising: a plurality of individual modes, each of said plurality of individual modes being operable as an operation mode with said mobile terminal device, said operation mode controlling an operation of said mobile terminal device (Column 2 lines 66 – 67, Column 3 lines 1 – 4, lines 17 – 27, standard mode for a typical PDA comprises an organization mode in which a user can conduct calendar functions, appointment functions and other organizing functions, there is also a synchronization mode); at least one actuator for selecting one individual mode out of said plurality of individual modes (Column 3 lines 17 – 27); a synchronization component for synchronizing of information stored in a data storage (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); and a communication interface for exchanging synchronization related information (Figure 1, Column 2 lines 45 – 51); wherein the one selected individual mode comprises a command to trigger said automated synchronization (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38); wherein said synchronization component is activated to perform a synchronizing

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operation with said other mobile terminal device via said communication interface, said synchronizing operation is performed in accordance with pre-defined synchronization settings (Figure 2, Columns 3 lines 17 – 62, 4 lines 1 – 38).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lunsford et al. (US 6,901,434) in view of Hepper et al. (US 2003/0220966).

Regarding Claim 12, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford does not teach wherein said automated synchronization is based on a synchronization markup language (SyncML) standard.

Hepper teaches synchronization based on a synchronization markup language (SyncML) standard (Section 0024 lines 1 – 8).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the SyncML standard of Hepper in the system of Lunsford as an alternative means for providing synchronization thus providing a transport protocol for synchronization that is independent of the transport protocol.

5. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lunsford et al. (US 6,901,434) in view of Oh et al. (US 6,865,400).

Regarding Claim 13, Lunsford teaches all of the claimed limitations recited in Claim 1. Lunsford does not teach wherein said first mobile terminal device is a cellular communication device.

Oh teaches a mobile terminal device that is a cellular communication device (Column 3 lines 9 – 11).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the PDA of Lunsford with the cellular phone circuitry of Oh for the purpose of providing a versatile multifunctional mobile device with diverse modes as taught by Oh.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond S. Dean whose telephone number is 571-272-7877. The examiner can normally be reached on Monday-Friday 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

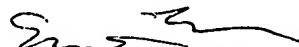
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Raymond S. Dean

April 26, 2006



EDWARD F. URBAN  
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